

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8431C

Conformal-coated TMR analog input module

INPUTS	SUPPLY	RANGE	OPTION
40 TMR channels	20-32 V DC	0-22 mA	Conformal coated

For qualified personnel only. This installation summary is not a substitute for the controlled manufacturer procedure, system safety plan or approved site isolation requirements.

01

BEFORE INSTALLATION

Complete identity	Record T8431C, hardware revision and serial number; review current product notices.
Condition and ESD	Reject damage or bent pins; do not touch pins or remove the housing.
I/O position	Use the documented T8100 or T8300 I/O slot and configured spare arrangement.
Cable and termination	Check the FTA/VFTA and documented Companion Slot or SmartSlot cable.
Field-loop design	Verify sourcing devices, loop range, scaling, thresholds and required barriers.

02

PREPARATION AND BOUNDARIES

- For the T8431 family, the manual specifies keying positions 1, 4 and 5. Both strips are polarized for Companion Slot cables.
- Use the complete manufacturer connector table and cable/termination instructions; this summary does not replace a pin-by-pin wiring drawing.

03
INSTALLATION AND COMMISSIONING

01	Check the field cable is correctly located. Open the module ejectors using the specified release key.
02	Guide the module into the designated slot, press the upper and lower fascia to seat it, then lock both ejectors.
03	Stop if insertion requires force. Withdraw and inspect the connector; reject damaged pins instead of attempting repair.
04	Restore the controlled channel assignment, measurement scaling and open/short line-monitoring thresholds.
05	Verify the required external intrinsic-safety barriers and the approved field-loop design before connecting or enabling the circuit.
06	For replacement, follow the configured changeover procedure. Confirm the transfer state before removal and validate all affected input channels.

04
SAFETY AND FINAL CHECKS

- Check module slice health, channel indications and the configured diagnostic variables.
- Validate input values, line faults and SOE behavior under the approved commissioning and safety test plan.

05
OFFICIAL PROCEDURE

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Product overview: p. 9; installation: pp. 17-19; maintenance: pp. 33-35; specifications: pp. 37-38. C option: ICSTT-CT004L, p. 2.

Independent Amikon summary, not a manufacturer-issued manual. Use the complete current manufacturer instructions and approved system safety procedure. No original manual pages are reproduced.

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM